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CLAIMS

1. Method for real-time addition of statistics definitions and for achieving real-time reporting in a telephone switching system, comprising:

5   a database (DB) containing information of essential importance to the telephone switching system;

a database manager (MGER), whose function is to maintain the database (DB);

one or more service providers (SER);

10   c h a r a c t e r i z e d   in that the method comprises the steps of:

receiving by means of the database manager (MGER) a registration of the service provider (SER);

having the database manager (MGER) send the serv-

15   ice provider (SER) an inquiry asking for information about the services produced by it;

storing the service definition data supplied by the service provider (SER) in the database (DB); and

generating a new definitions file for reporting

20   purposes on the basis of the information in the database (DB).

2. Method as defined in claim 1,   c h a r - a c t e r i z e d   in that

the version number of the service produced by the

25   service provider (SER) is checked; and

the service provider (SER) is asked to supply information about the services produced by it if the version number of the service provided is previously unknown; or

30   the service provider (SER) is given a request for the service if the version number of the service provided is known.

3. Method as defined in claim 1,   c h a r - a c t e r i z e d   in that

35   the version number of the service provided by the service provider (SER) is checked when a request for

the service is given to the service provider (SER);
and

the service request is canceled if the service
version number returned by the service provider (SER)
5   is previously unknown.

4. Method as defined in any one of the pre-
ceding claims 1 - 3, c h a r a c t e r i z e d   in that
the address data of the database manager (MGER) is re-
ported to a name service.

10   5. Method as defined in any one of the preced-
ing claims 1 - 4, c h a r a c t e r i z e d   in that the
address data of the database manager (MGER) is estab-
lished via an inquiry to the name service.

6. Method as defined in any one of the preced-
15 ing claims 1 - 5, c h a r a c t e r i z e d   in that in-
dividual identification data is attached to each piece
of information produced by the service provider (SER).

7. Method as defined in any one of the preced-
ing claims 1 - 6, c h a r a c t e r i z e d   in that the
20 specification data are divided into fixed specification
data and network-element specific data.

8. Method as defined in any one of the preced-
ing claims 1 - 7, c h a r a c t e r i z e d   in that the
database manager (MGER) is given a reference to a file
25 that contains information about the content of the
service produced by the service provider (SER).

9. Method as defined in any one of the pre-
ceding claims 1 - 8, c h a r a c t e r i z e d   in that
the data collected by the database manager are stored
30 in several different databases based on data types.

10. Method as defined in any one of the pre-
ceding claims 1 - 9, c h a r a c t e r i z e d   in that
definitions files are generated on the basis of the
data contained in the database (DB).

35   11. Method as defined in any one of the pre-
ceding claims 1 - 10, c h a r a c t e r i z e d   in that

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reports are generated on the basis of a definitions
file produced by the database manager (MGER).

12. Method as defined in any one of the pre-
ceding claims 1 - 11, c h a r a c t e r i z e d   in that
5   a definitions file previously defined is deleted or
changed.

13. System for real-time addition of statis-
tics definitions and for achieving real-time reporting
in a telephone switching system, comprising:
10   a database (DB) containing information of essen-
tial importance to the telephone switching system;
a database manager (MGER), whose function is to
maintain the database (DB);
one or more service providers (SER);
15   c h a r a c t e r i z e d   in that the system
comprises:
means (1) for receiving a registration of a serv-
ice provider (SER) by means of the database manager
(MGER);
20   means (2) for requesting information about the
services produced by the service provider (SER), using
the database manager (MGER);
means (3) for storing the definition data supplied
by the service provider (SER) in the database (DB);
25 and
means (4) for generating a new definitions file
for reporting purposes on the basis of the information
in the database (DB).

14. System as defined in claim 13, c h a r -
30 a c t e r i z e d   in that the system comprises:
means (5) for checking the version number of the
service produced by the service provider (SER);
means (2) for asking for information about the
services produced by the service provider (SER);
35   means (6) for requesting a service from the serv-
ice provider (SER).

15. System as defined in claim 13, c h a r -
a c t e r i z e d in that the system comprises:

means (5) for checking the version number of the
service produced by the service provider (SER); and

5   means (7) for canceling a service request.

16. System as defined in any one of the pre-
ceding claims 13 - 15, c h a r a c t e r i z e d in
that the system comprises means (8) for reporting the
database manager (MGER) to a name service.

10   17. System as defined in any one of the pre-
ceding claims 13 - 16, c h a r a c t e r i z e d in
that the system comprises means (9) for establishing
the address data of the database manager via an in-
quiry to the name service.

15   18. System as defined in any one of the pre-
ceding claims 13 - 17, c h a r a c t e r i z e d in
that the system comprises means (10) for attaching in-
dividual identification data to the information pro-
duced by the service provider (SER).

20   19. System as defined in any one of the pre-
ceding claims 13 - 18, c h a r a c t e r i z e d in
that the system comprises means (11) for dividing the
definition data into fixed definitions and network-
element specific data.

25   20. System as defined in any one of the pre-
ceding claims 13 - 19, c h a r a c t e r i z e d in
that the system comprises means (12) for giving the
database manager (MGER) a reference to a file that
contains information about the content of the service

30 produced by the service provider (SER).

21. System as defined in any one of the pre-
ceding claims 13 - 20, c h a r a c t e r i z e d in
that the system comprises means (13) for storing the
data collected by the database manager (MGER) in sev-

35 eral different databases on the basis of data types.

22. System as defined in any one of the pre-
ceding claims 13 - 21, c h a r a c t e r i z e d in

that the system comprises means (14) for generating
definitions files on the basis of the information con-
tained in the database (DB).

5   23. System as defined in any one of the pre-
ceding claims 13 - 22, c h a r a c t e r i z e d in
that the system comprises means (15) for generating a
report on the basis of a definitions file produced by
the database manager (MGER).

10   24. System as defined in any one of the pre-
ceding claims 13 - 23, c h a r a c t e r i z e d in
that the system comprises means (16) for deleting or
changing a definitions file previously defined.